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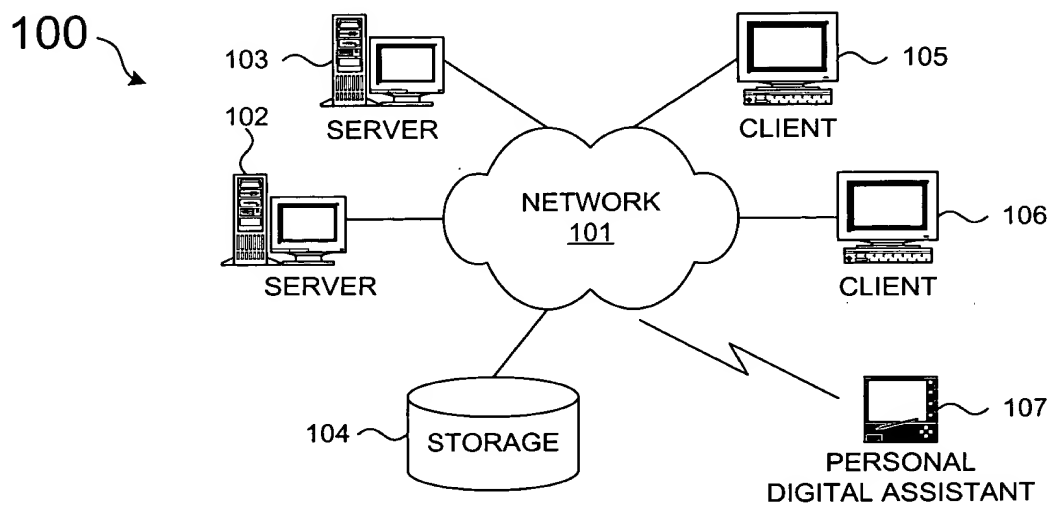


FIG. 1A
(PRIOR ART)

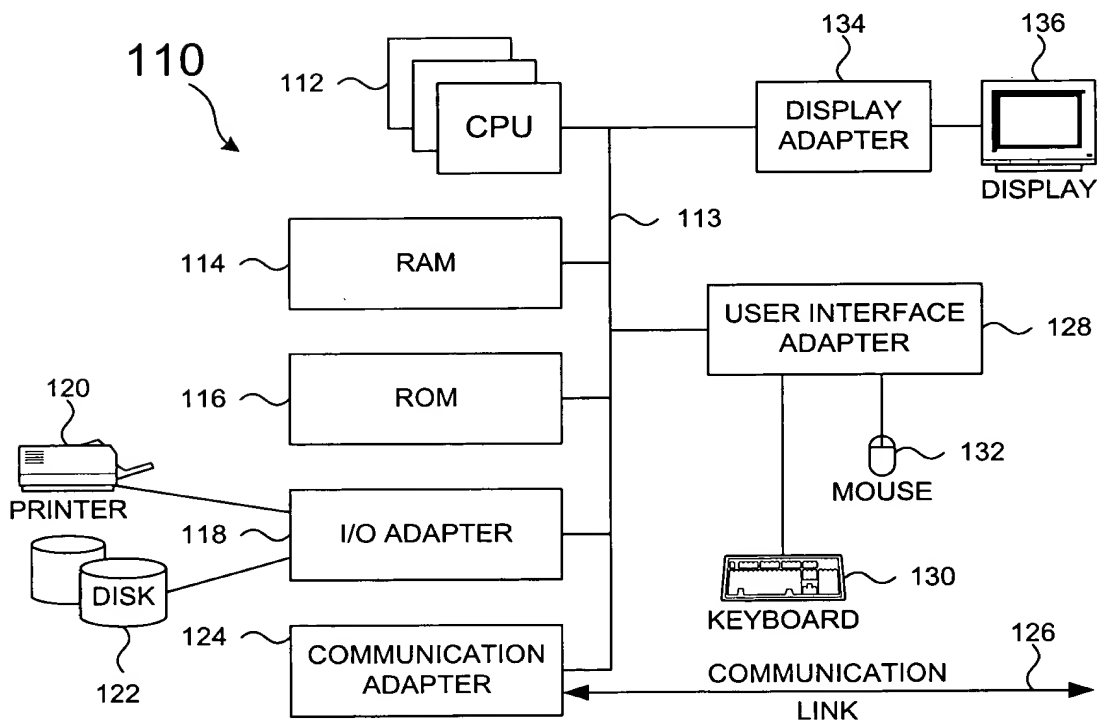


FIG. 1B
(PRIOR ART)



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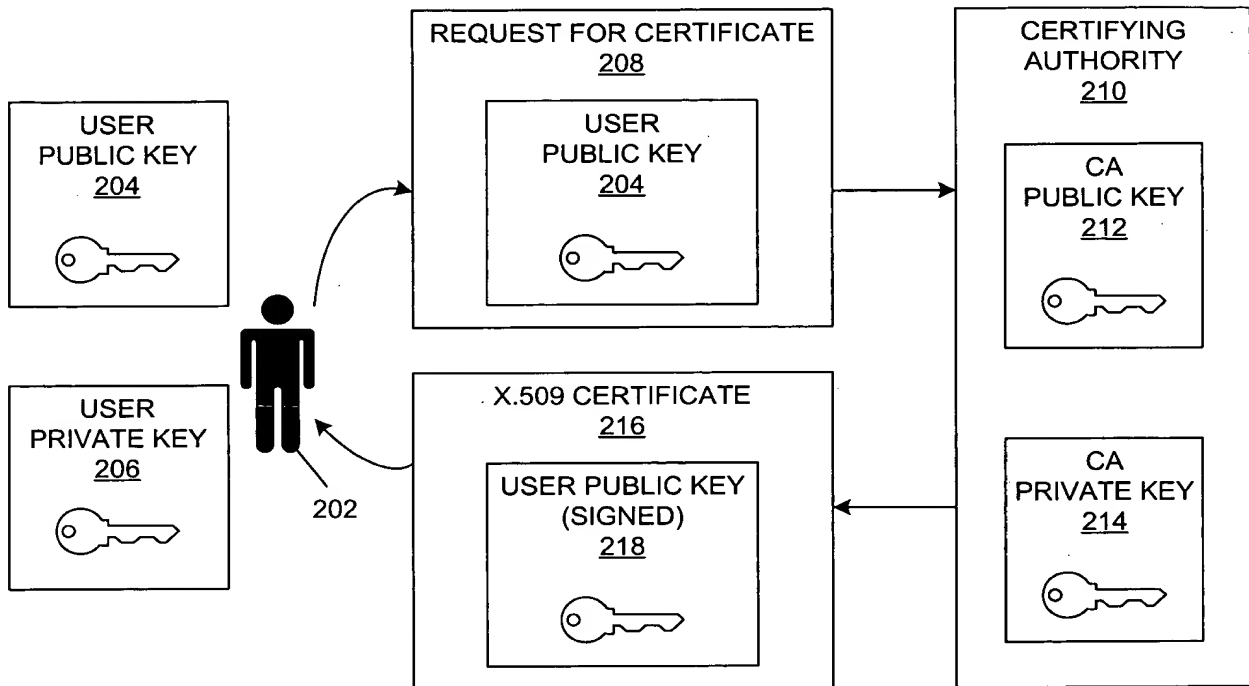


FIG. 2
(PRIOR ART)

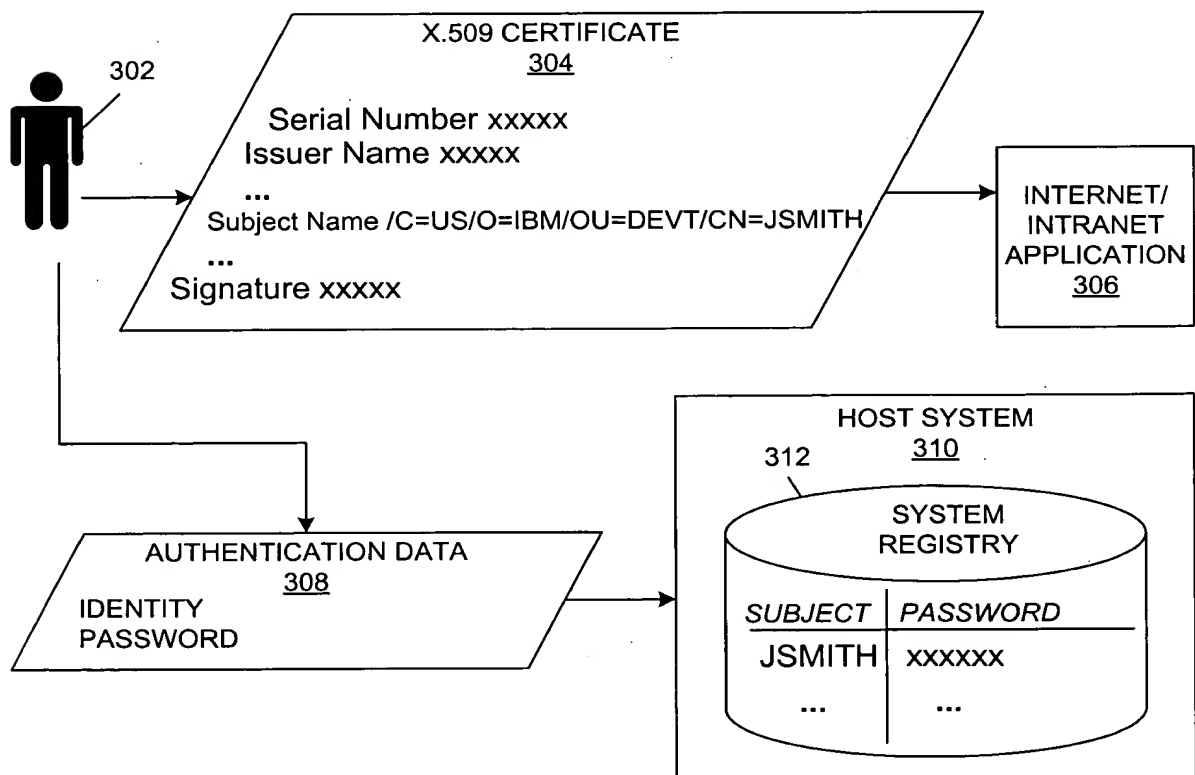
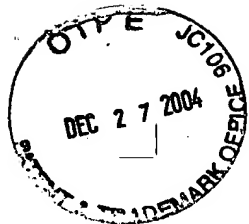


FIG. 3



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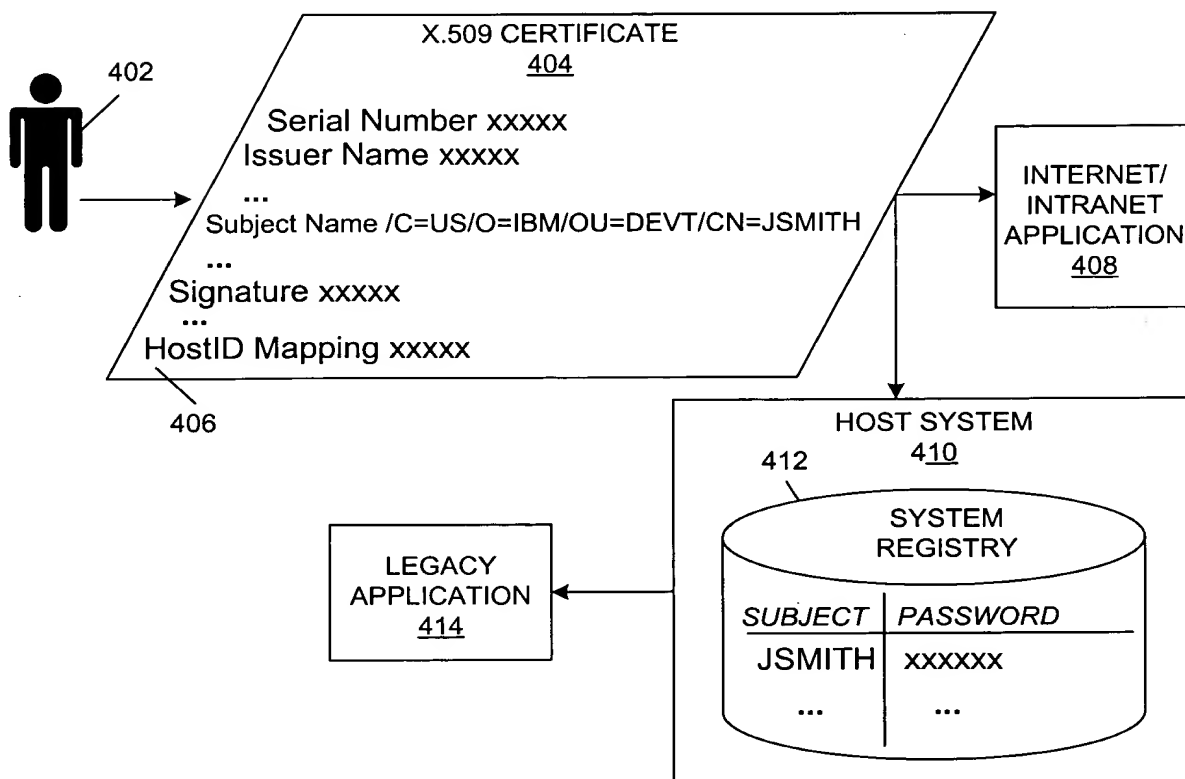


FIG. 4

```
HostIdMapping ::= SEQUENCE {  
    hostName          [1] IMPLICIT IA5String,  
    subjectID          IMPLICIT IA5String,  
    proofOfIdPossession IdProof OPTIONAL }  
  
IdProof ::= SEQUENCE {  
    secret              OCTET STRING,  
    encryptionAlgorithm OBJECT IDENTIFIER }
```

FIG. 6



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```
Certificate ::= SEQUENCE {
    tbsCertificate      TBSCertificate,
    signatureAlgorithm  AlgorithmIdentifier,
    signature            BIT STRING }

TBSCertificate ::= SEQUENCE {
    version              [0] Version DEFAULT v1,
    serialNumber         CertificateSerialNumber,
    signature            AlgorithmIdentifier,
    issuer               Name,
    validity             Validity,
    subject              Name,
    subjectPublicKeyInfo SubjectPublicKeyInfo,
    issuerUniqueID       [1] IMPLICIT UniqueIdentifier OPTIONAL,
    subjectUniqueID      [2] IMPLICIT UniqueIdentifier OPTIONAL,
    extensions           [3] Extensions OPTIONAL }

Version ::= INTEGER { v1(0), v2(1), v3(2) }

CertificateSerialNumber ::= INTEGER

Validity ::= SEQUENCE {
    notBefore           Time,
    notAfter            Time }

Time ::= CHOICE {
    utcTime             UTCTime,
    generalTime         GeneralizedTime }

UniqueIdentifier ::= BIT STRING

SubjectPublicKeyInfo ::= SEQUENCE {
    algorithm           AlgorithmIdentifier,
    subjectPublicKey     BIT STRING }

Extensions ::= SEQUENCE SIZE (1..MAX) OF Extension

Extension ::= SEQUENCE {
    extnID              OBJECT IDENTIFIER,
    critical             BOOLEAN DEFAULT FALSE,
    extnValue            OCTET STRING }
```

FIG. 5
(PRIOR ART)



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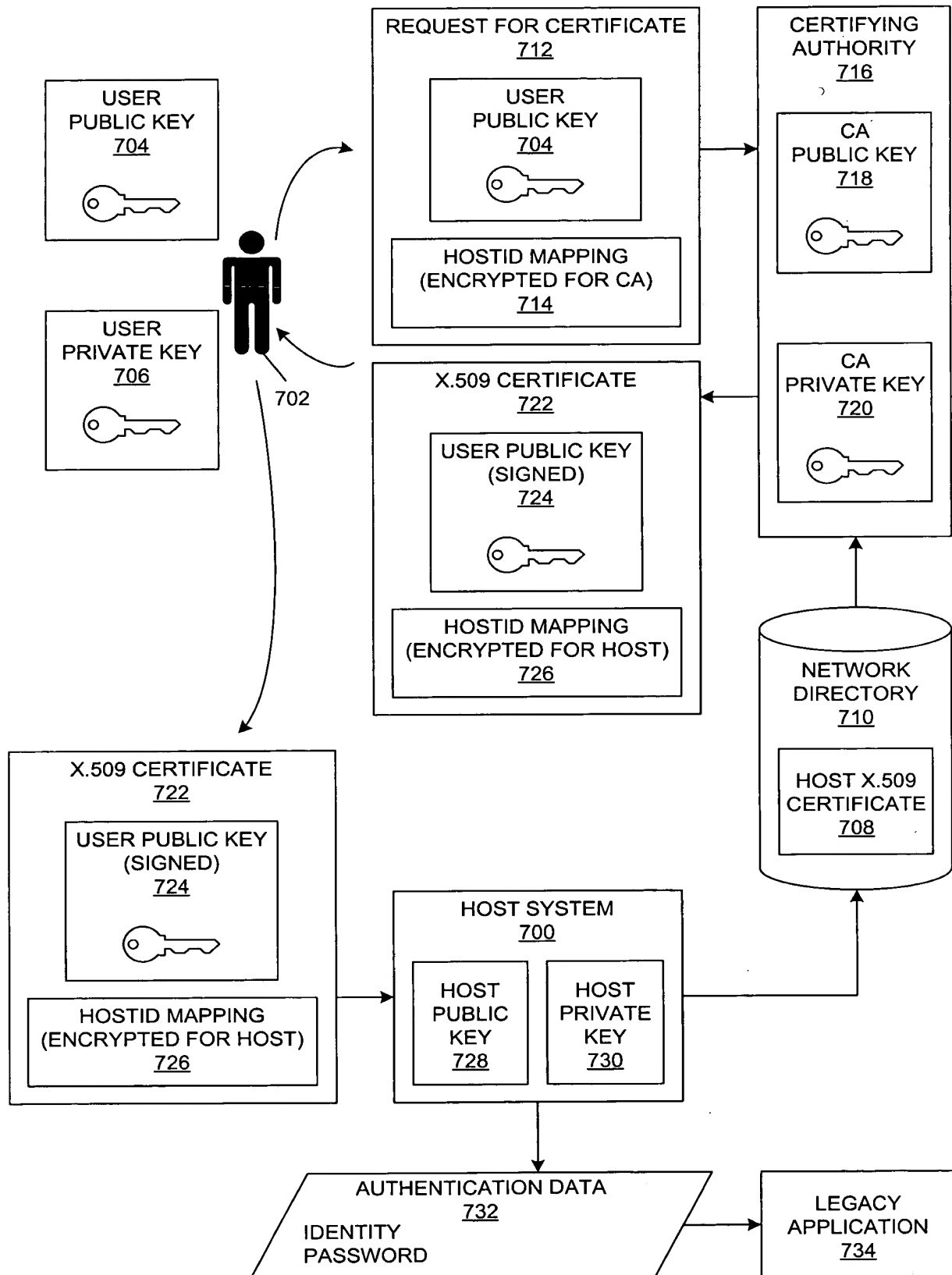
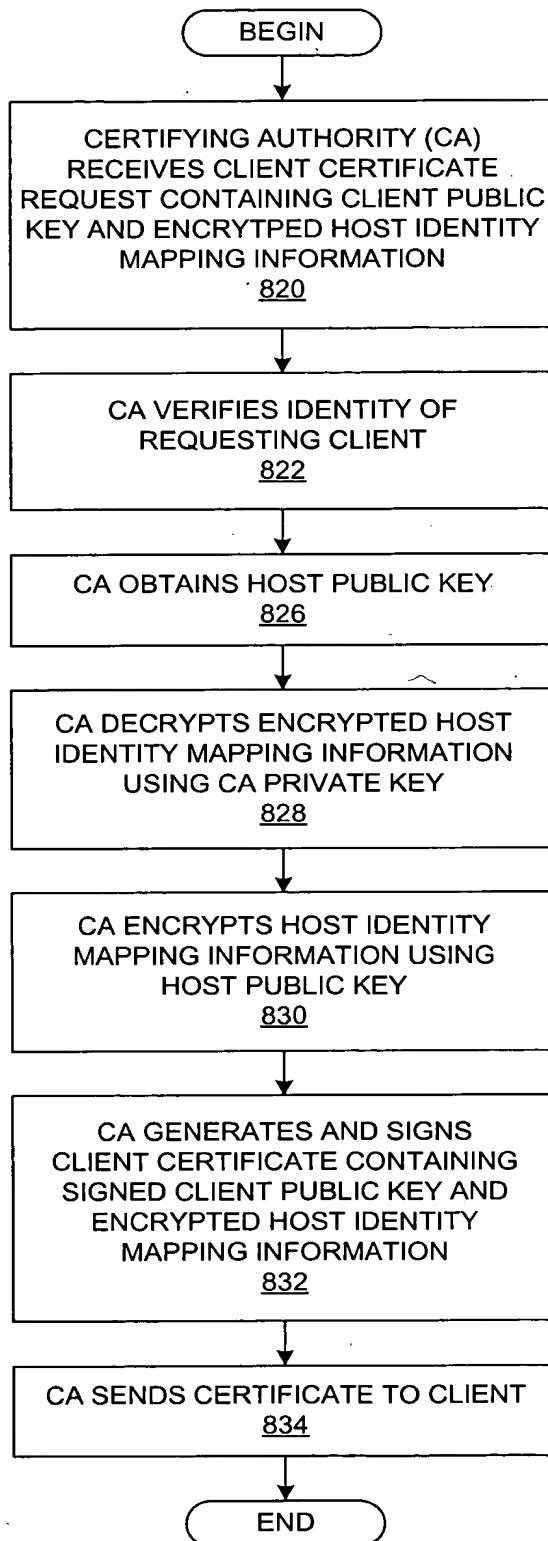
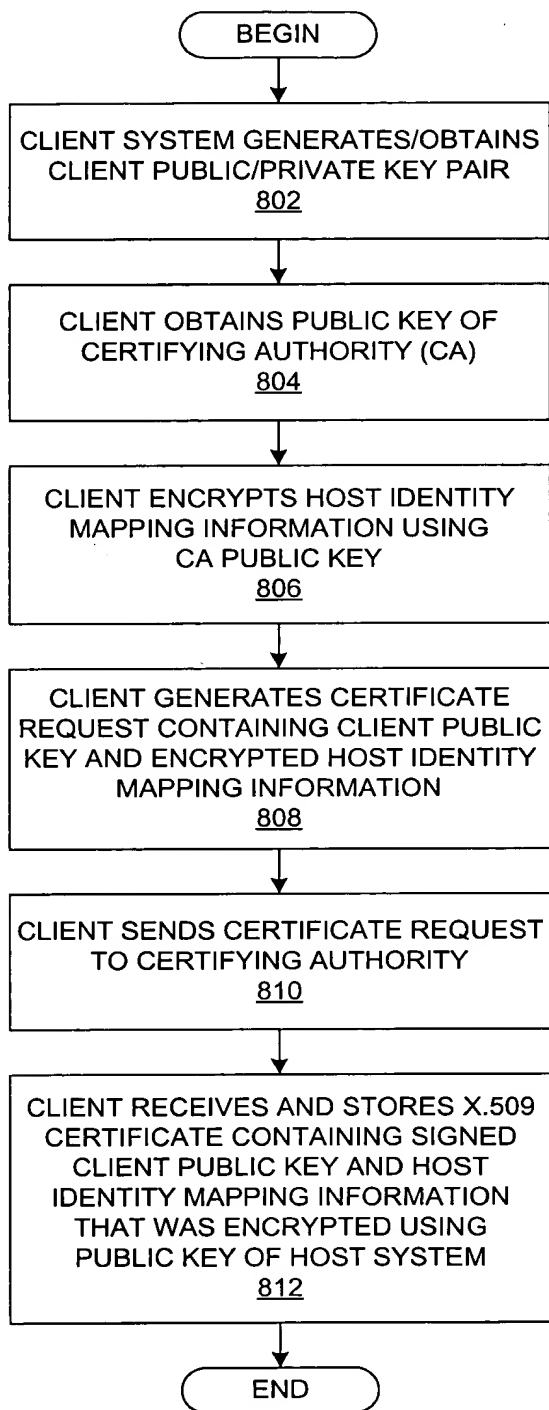


FIG. 7



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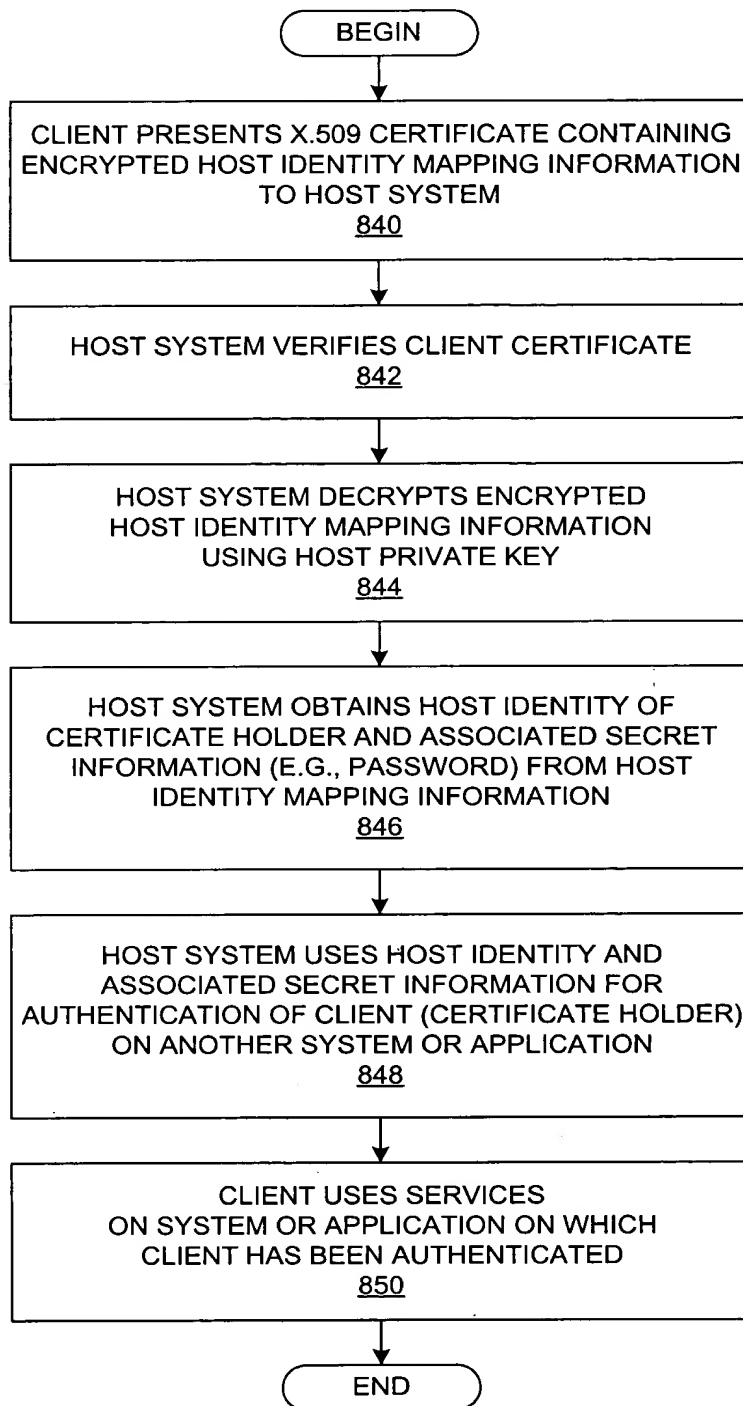


FIG. 8C